



**DREW UNIVERSITY**  
Environmental Studies, Science & Sustainability

**Lisa Marie Jordan**

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**TEACHING & RESEARCH INTERESTS**

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Environmental Justice; Geographic Information Systems (GIS); Population Geography; Migration; Spatial Analysis; Medical Geography; Community-Based Learning

**EDUCATION**

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- 2006 University of Colorado, Boulder; Department of Geography. **Ph.D. in Geography**, May 2006.
- 2000 University of Texas at Dallas; School of Social Sciences. **Master of Science in Applied Economics**, August 2000.
- 1999 University of Texas at Dallas; School of Social Sciences. **Bachelor of Science in Economics & Finance**, May 1999.

**PROFESSIONAL EMPLOYMENT**

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- 2012-2020 Director, Spatial Data Center, Drew University
- 2020 Associate Teaching Professor, Department of Biology, Environmental Studies and Sustainability Program and Public Health Program
- 2014-2020 Assistant Professor, Department of Biology, Environmental Studies and Sustainability Program and Public Health Program
- 2016-2017 Director, Environmental Studies & Sustainability Program, Drew University
- 2006-2011 Assistant Professor, Department of Geography, Florida State University
- 2001-2006 Teaching Assistant (Lecturer and Lab Instructor), Department of Geography, University of Colorado
- 1999-2000 Teaching Assistant, School of Social Sciences, University of Texas at Dallas

**COURSES TAUGHT**

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- Geographic Information Systems and Processes (Spring 2007-Fall 2020), Previously taught cross-listed with graduate students (classroom and online), currently undergraduate course
- Medical Geography (Fall 2006-2010, Spring 2015-2020), Previously taught cross-listed undergraduate/graduate course (MPH elective), currently community-based learning, undergraduate course
- Environment, Society and Sustainability (Fall 2015-2020), undergraduate course
- Environmental Justice, Advanced Topics in Environmental Studies and Public Health (Fall 2018-2020)



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## Environmental Studies, Science & Sustainability

Advanced GIS (Fall 2014, Spring 2018), Advanced Topics in Environmental Science, undergraduate community-based learning course

Environmental Economics (Spring 2020), undergraduate course

Beyond Earth Art: Contemporary Artists and the Environment in Crisis (Spring 2015), Co-taught with Artist-in-Residence, Valerie Hegarty, undergraduate interdisciplinary course

Globalization (Fall 2012, Spring 2011, Summer 2005-2006), Cross-listed graduate and undergraduate course

Environmental Justice and GIS (Spring 2010), Graduate course

Social Applications of Geographic Information Systems (Spring 2006-2010), Graduate course

Human Geography (Fall 2007), Undergraduate Course

Lab Instructor/Recitation Instructor for Quantitative Geography (2005-2006), Political Geography (2001-2006), Human Geography: Diversity amid Globalization (2002-2006), Urbanization, Migration and Development (2001-2002), Macro- and Microeconomics (2000-2001), United Nations (2000), and Statistics for Economists (1999)

### **PUBLICATIONS**

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#### *Articles:*

Jordan, L, Kalin, J, Dabrowski, D (2020) Characteristics of Gun Advertisements on Social Media: Systematic Search and Content Analysis of Twitter and YouTube Posts. *J Med Internet Res.* 22(3). <https://www.jmir.org/2020/3/e15736/>

Jordan, L (2017) Applying Thiessen Polygon Catchment Areas and Gridded Population Weights to Estimate Conflict-Driven Population Changes in South Sudan. *ISPRS Annals IV-4/W2*, 23-30. <https://doi.org/10.5194/isprs-annals-IV-4-W2-23-2017>

Jordan, L, Stallins, A, Stokes, S, Johnson, E, Gragg, R (2011) Citizen Mapping and Environmental Justice: Internet Applications for Research and Advocacy. *Environmental Justice* 4(3): 155-162.

Jordan, L, et al. (2010) Practical Approaches to Spatial Estimation of Disaster-Affected Populations. *International Journal of Applied Geospatial Research.* 1(3): 31-48.

Jordan, L, Rose R (2010) Population Explorer: Estimate Local Populations Anywhere. *Field Exchange: Emergency Nutrition Network*, 38: 3-5.

Asumda, F, Jordan, L (2009) Minority Youth Access to Tobacco: A Neighborhood Analysis of Underage Tobacco Sales. *Health and Place.* 15:140-147.

Jordan, L (2008) Improving Livelihoods by Improving Access: The Application of Geospatial Technologies to Health Care Accessibility. *Harvard Health Policy Review.* 9: 210-222.

Jordan, L (2007) Religious Adherence and Diversity in the United States: A Geographic Analysis. *Geography of Religion and Belief Systems.* 2: 3-20.

Mennis, J, Jordan, L (2005) The Distribution of Environmental Equity: Exploring Spatial Nonstationarity in Multivariate Models of Air Toxic Releases. *Annals of the Association of Geographers* 95(2): 249-268.

Rogers, A, Jordan, L (2004) Estimating Migration Flows from Birthplace-Specific Population Stocks of Infants. *Geographical Analysis* 36:1-16



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## Environmental Studies, Science & Sustainability

### *Book Chapters and Reviews:*

Jordan, L (2020, forthcoming) "We are Teachers and Learners Together: Cross-Disciplinary Lessons from the Pilgrim Pipeline Dispute." in *Pipeline Pedagogy: Teaching about Energy and Environmental Justice Contestations*, eds. V. Banschback and J. Rich, AESS Branded Book Series, Springer Nature.

Jordan, L (2011) "Public Health and Geography." *21st Century Geography: A Reference Handbook*, ed. J.P. Stoltman. Thousand Oaks, CA: Sage.

Jordan, L (2010) Review Essay: Religion and Political Geography in the United States. *Political Geography*.

Jordan, L (2010) Book Review: Strong Women, Dangerous Times: Gender and HIV/AIDS in Africa, E. Kalipeni, K. Flynn, and C. Pope (Eds.), New York: Nova Publishers. *GeoJournal*.

Jordan, L (2010) GIS in Health Research and Health Care. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Jordan, L (2010) Medical Geography. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Jordan, L (2010) Spatial Data Models. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Raleigh, C, Jordan, L. (2009) Climate Change and Migration: Emerging Patterns in the Developing World. In R. Mearns and A. Norton (eds.) *Social Dimensions of Climate Change Equity and Vulnerability in a Warming World*. Washington DC: World Bank:103-131.

### *Reports:*

Jordan, L. (2013) "A Comparison of the Functionality and Datasets Available through Population Explorer and Alternative Applications." USAID, Famine Early Warning Systems Network (FEWSNET). Report No. AID-OAA-C-11-00171.

Jordan, L. (2007) "Geo-coding and Census Mapping: Conceptual Framework and Different Approaches." United Nations Expert Group Meeting on Contemporary Practices in Census Mapping and Use of Geographical Information Systems, United Nations, NY. Report No. ESA/STAT/AC115-9. Available at:  
<http://unstats.un.org/unsd/demographic/meetings/egm/CensusMappingEGM07/docs/ESA-STAT-AC.115-9.pdf>

Klein, D, Jordan, L (2001) "Diffusion of Energy Efficient Technologies in the United States: The Case of Compact Florescent Light Bulbs." National Renewable Energy Laboratory, Golden, CO.

### *Selected Conference Papers or Posters:*

2019 "New Jersey Firearms and Public Health: Framework for a Life Cycle Assessment Approach." Poster Presentation. 32<sup>nd</sup> Annual NJDEP Mapping Contest, April 18, Trenton, NJ. 1<sup>st</sup> Place, Educational Map.

2018 "Guns against Butter: Location-Specific Cases of Food Weaponization." American Public Health Association Annual Meeting, November 10-14. San Diego, CA.

2018 "Reconceptualizing Sustainable Jersey: Tackling the Urban-Suburban Divide." Design, Justice & Zero Waste: Exploring Pathways to a Circular Economy, The New School, Tishman Environment and Design Center, May 8&9. NY, NY.

2018 "Where the Only Certainty is Uncertainty: Exploring the Demographics of Displacement in South Sudan." Population Associations of America, Annual Meeting. Denver, CO.

2018 "Exploring Food Access in Morris County: Interfaith Food Pantry Utilization and the Changing Needs of Elderly and Working Poor Populations." 31<sup>st</sup> Annual NJDEP Mapping Contest, Trenton, NJ [1<sup>st</sup> Place, Best Instructional Presentation, in collaboration with ESS 382/BIOL 370 Advanced GIS class, Spring 2018, and the Morris County Interfaith Food Pantry].



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### Environmental Studies, Science & Sustainability

2017 "Identifying Cultural and Natural Resources along the Pilgrim Pipeline Corridor." 30<sup>th</sup> Annual NJDEP Mapping Contest, Trenton, NJ [2<sup>nd</sup> Place, Best Story Map; in collaboration with ESS/BIOL 302 GIS class, Fall 2016, Coalitional against the Pilgrim Pipelines, Food and Water Watch, and the Chatham Borough Environmental Commission].

2014 "Beyond Borders: Gridded Demographic Data Sets and Web Mapping Applications for Population, Development, and Environmental Research." Population Association of America, Annual Meeting. Boston, MA.

2014 "Demographic Data Sources and Web Mapping Applications for New Jersey." 27<sup>th</sup> Annual NJDEP Mapping Contest, Trenton, NJ [2<sup>nd</sup> Place, Best Instructional Presentation].

2011 "Assessing the Impact of Climate Change on Migration and Conflict." Presented to the Committee on Climate, Energy, and National Security, Board on Atmospheric Sciences and Climate, National Academy of Sciences. Washington, DC.

2010 "Citizen Mapping and Environmental Justice: Internet Applications for Research and Advocacy." Meeting of the American Public Health Association, Denver, CO.

2010 "Integrating GIS into Medical Geography and Public Health Curricula." Meeting of the Association of American Geographers, Washington, DC.

#### **OUTREACH**

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2019-2020 Sustainable Madison Action Committee, appointed by mayor, advisory committee to Borough of Madison

2016-2020 Humanitarian Data Exchange, contributions by means of the Drew University Organization page:  
<https://data.humdata.org/organization/drew-university>

2015-2018 Collaboration with Coalition against the Pilgrim Pipeline, Chatham Environmental Commission, on mapping social and environmental impacts of pipeline construction. See, for example, <http://tinyurl.com/capp-gis>

2014-2015 Lake Hopatcong Foundation, and New Jersey Department of Environmental Protection, State Parks, Partnership with Drew University on Boat Dock Inventory for Lake Hopatcong.

2013-2015 EPA, Toxic Release Inventory (TRI) University Challenge, Partnership with Drew University.

In 2019, I participated in the Drew Digital Humanities Summer Institute (DHSI), and in the New Jersey Governor's School in the Sciences.

I collaborate and volunteer with a number of local organizations that I have much affection and appreciation for including: the Morris County Interfaith Food Pantry, the Madison Environmental Commission, and Wind of the Spirit Immigrant Resource Center. I have served as a demography consultant and also volunteer collaborator with the USAID Famine Early Warning Systems Network, and their contractors, Chemonics and Kimetrica, from 2006 to 2019.

I am a member of the American Public Health Association (Environmental Health and Alcohol, Tobacco and Other Drugs Sections), the Association of American Geographers, and the Middle States Association of American Geographers. I am intermittently a participant in the Association for Environmental Studies & Sciences and Population Association of America.